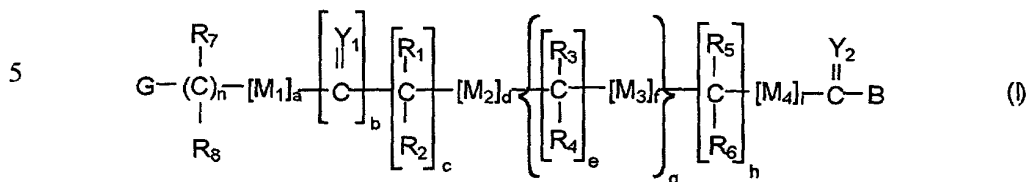
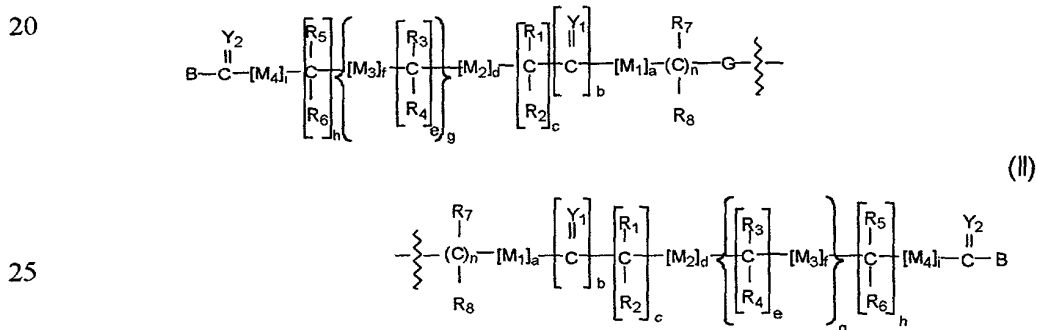


ABSTRACT

The present invention is directed to methods of preparing polymeric conjugates of biologically active agents of the formula:



wherein G is a linear or branched polymer residue; Y₁ and Y₂ are independently O, S, or NR₉; M₁-M₃ are independently O, S, or NR₁₀; M₄ is X or Q; wherein X is an electron withdrawing group and Q is a moiety containing a free electron pair positioned three to six atoms from C(=Y₂); B is a residue of an amine-containing moiety or a residue of a hydroxyl-containing moiety; R₁₋₁₀ are independently selected from the group consisting of hydrogen, C₁₋₆ alkyls, C₃₋₁₂ branched alkyls, C₃₋₈ cycloalkyls, C₁₋₆ substituted alkyls, C₃₋₈ substituted cycloalkyls, aryls, substituted aryls, aralkyls, C₁₋₆ heteroalkyls and substituted C₁₋₆ heteroalkyls; a, b, c, d, e, f, g, h, i and n are each independently zero or a positive integer. In preferred aspects, the polymer transport system di-substituted with an equivalent of the active ingredient on both the proximal and distal ends of the polymer, as shown in the formula below:



Methods of preparing the same and methods of treatment using the same are also included as part of the present invention.

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